#9 OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/776,724A

DATE: 08/01/2001
TIME: 15:49:53

Input Set : A:\substseq 07252001.txt
Output Set: N:\CRF3\08012001\I776724A.raw

ENTERED

```
 2 <110> APPLICANT: Rosen et al.
 4 <120> TITLE OF INVENTION: 64 Human Secreted Proteins
 6 <130> FILE REFERENCE: PZ011
 8 <140> CURRENT APPLICATION NUMBER: 09/776,724A
 9 <141> CURRENT FILING DATE: 2001-02-06
11 <150> PRIOR APPLICATION NUMBER: 60/180,909
12 <151> PRIOR FILING DATE: 2000-02-08
14 <150> PRIOR APPLICATION NUMBER: 09/669,688
15 <151> PRIOR FILING DATE: 2000-09-26
17 <150> PRIOR APPLICATION NUMBER: 09/229,982
18 <151> PRIOR FILING DATE: 1999-01-14
20 <150> PRIOR APPLICATION NUMBER: PCT/US98/14613
21 <151> PRIOR FILING DATE: 1998-07-15
23 <150> PRIOR APPLICATION NUMBER: 60/052,661
24 <151> PRIOR FILING DATE: 1997-07-16
26 <150> PRIOR APPLICATION NUMBER: 60/052,872
27 <151> PRIOR FILING DATE: 1997-07-16
29 <150> PRIOR APPLICATION NUMBER: 60/052,871
30 <151> PRIOR FILING DATE: 1997-07-16
32 <150> PRIOR APPLICATION NUMBER: 60/052,874
33 <151> PRIOR FILING DATE: 1997-07-16
35 <150> PRIOR APPLICATION NUMBER: 60/052,873
36 <151> PRIOR FILING DATE: 1997-07-16
38 <150> PRIOR APPLICATION NUMBER: 60/052,870
39 <151> PRIOR FILING DATE: 1997-07-16
41 <150> PRIOR APPLICATION NUMBER: 60/052,875
42 <151> PRIOR FILING DATE: 1997-07-16
44 <150> PRIOR APPLICATION NUMBER: 60/053,440
45 <151> PRIOR FILING DATE: 1997-07-22
47 <150> PRIOR APPLICATION NUMBER: 60/053,441
48 <151> PRIOR FILING DATE: 1997-07-22
50 <150> PRIOR APPLICATION NUMBER: 60/053,442
51 <151> PRIOR FILING DATE: 1997-07-22
53 <150> PRIOR APPLICATION NUMBER: 60/056,359
54 <151> PRIOR FILING DATE: 1997-08-18
56 <150> PRIOR APPLICATION NUMBER: 60/055,725
57 <151> PRIOR FILING DATE: 1997-08-18
59 <150> PRIOR APPLICATION NUMBER: 60/055,985
60 <151> PRIOR FILING DATE: 1997-08-18
62 <150> PRIOR APPLICATION NUMBER: 60/055,952
63 <151> PRIOR FILING DATE: 1997-08-18
65 <150> PRIOR APPLICATION NUMBER: 60/055,989
66 <151> PRIOR FILING DATE: 1997-08-18
68 <150> PRIOR APPLICATION NUMBER: 60/056,361
69 <151> PRIOR FILING DATE: 1997-08-18
71 <150> PRIOR APPLICATION NUMBER: 60/055,726
72 <151> PRIOR FILING DATE: 1997-08-18
```

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/776,724A**

DATE: 08/01/2001
TIME: 15:49:53

Input Set : **A:\substseq 07252001.txt**
Output Set: **N:\CRF3\08012001\I776724A.raw**

```
 74 <150> PRIOR APPLICATION NUMBER: 60/055,724
 75 <151> PRIOR FILING DATE: 1997-08-18
 77 <150> PRIOR APPLICATION NUMBER: 60/055,946
 78 <151> PRIOR FILING DATE: 1997-08-18
 80 <150> PRIOR APPLICATION NUMBER: 60/055,683
 81 <151> PRIOR FILING DATE: 1997-08-18
 83 <160> NUMBER OF SEQ ID NOS: 294
 85 <170> SOFTWARE: PatentIn Ver. 2.0
 88 <210> SEQ ID NO: 1
 89 <211> LENGTH: 733
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Homo sapiens
 93 <400> SEQUENCE: 1
 94 gggatccgga gcccaaatct tctgacaaaa ctcacacatg cccaccgtgc ccagcacctg      60
 95 aattcgaggg tgcaccgtca gtcttcctct tcccccaaa acccaaggac accctcatga     120
 96 tctcccggac tcctgaggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg     180
 97 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg     240
 98 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact     300
 99 ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca accccatcg      360
100 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc     420
101 catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct     480
102 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga     540
103 ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg     600
104 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc     660
105 acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc     720
106 gactctagag gat                                                        733
109 <210> SEQ ID NO: 2
110 <211> LENGTH: 5
111 <212> TYPE: PRT
112 <213> ORGANISM: Homo sapiens
114 <220> FEATURE:
115 <221> NAME/KEY: Site
116 <222> LOCATION: (3)
117 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally ocurring L-amino
acids
119 <400> SEQUENCE: 2
120 Trp Ser Xaa Trp Ser
121   1               5
123 <210> SEQ ID NO: 3
124 <211> LENGTH: 86
125 <212> TYPE: DNA
126 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 3
129 gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc      60
130 cccgaaatat ctgccatctc aattag                                          86
133 <210> SEQ ID NO: 4
134 <211> LENGTH: 27
135 <212> TYPE: DNA
136 <213> ORGANISM: Homo sapiens
138 <400> SEQUENCE: 4
```

```
                                                                          27
139 gcggcaagct tttttgcaaag cctaggc
142 <210> SEQ ID NO: 5
143 <211> LENGTH: 271
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 5                                                      60
148 ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg     60
149 aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc     120
150 gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat     180
151 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt     240
152 ttttggaggc ctaggctttt gcaaaaagct t                                    271
155 <210> SEQ ID NO: 6
156 <211> LENGTH: 32
157 <212> TYPE: DNA
158 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 6                                                      32
161 gcgctcgagg gatgacagcg atagaacccc gg
164 <210> SEQ ID NO: 7
165 <211> LENGTH: 31
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapiens
169 <400> SEQUENCE: 7                                                      31
170 gcgaagcttc gcgactcccc ggatccgcct c
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 12
175 <212> TYPE: DNA
176 <213> ORGANISM: Homo sapiens
178 <400> SEQUENCE: 8                                                      12
179 ggggactttc cc
182 <210> SEQ ID NO: 9
183 <211> LENGTH: 73
184 <212> TYPE: DNA
185 <213> ORGANISM: Homo sapiens
187 <400> SEQUENCE: 9                                                      60
188 gcggcctcga ggggactttc ccggggactt tccggggact ttccgggact ttccatcctg     60
189 ccatctcaat tag                                                        73
192 <210> SEQ ID NO: 10
193 <211> LENGTH: 256
194 <212> TYPE: DNA
195 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 10                                                     60
198 ctcgagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct     60
199 caattagtca gcaaccatag tcccgcccct aactccgccc atcccgcccc taactccgcc     120
200 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga     180
201 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg     240
202 ctttttgcaaa aagctt                                                    256
205 <210> SEQ ID NO: 11
206 <211> LENGTH: 558
207 <212> TYPE: DNA
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/776,724A

DATE: 08/01/2001
TIME: 15:49:53

Input Set : A:\substseq 07252001.txt
Output Set: N:\CRF3\08012001\I776724A.raw

```
208 <213> ORGANISM: Homo sapiens
210 <220> FEATURE:
211 <221> NAME/KEY: SITE
212 <222> LOCATION: (546)
213 <223> OTHER INFORMATION: n equals a,t,g, or c
215 <400> SEQUENCE: 11
216 gaattcggca cgagctgggc tgcagttggc gattccgcgc ggtgaaagca gccagtgccc      60
217 agggtctttt cctgagtgca cctgggcctg ccgcccggcg atgccatggg gtcgtgcgct     120
218 gcttttctac ttgccgcgct ctcactgctc ggtgtactgg gagggtaccc tgggaggcgt     180
219 gcctttattc ttccgaaccg ccgctcactg agacagtggc tagaagtgtc tcttggacct     240
220 gtgagttagc cttaacctgt tatgcccca gagccctcag tggagcgccc gtactttgcc      300
221 ggcatgacgt ttgatttccc ggtgataatc cgacgagttt gacagattga ggtagtgagc     360
222 aaagttgccc gtcagttggt ggccacttga cttcgtgcgg accctggcct tgctcttgga     420
223 agagatagtg ttcttagggc tggtttcact gtctcttaag actgaarggt ggarctggga     480
224 tatagatgtg ttgtttcttt tcaaatcaaa cctgcttarg tcgtcactcg aaggggggcc     540
                                                                         558
W--> 225 cggtanccaa ttcgccct
228 <210> SEQ ID NO: 12
229 <211> LENGTH: 715
230 <212> TYPE: DNA
231 <213> ORGANISM: Homo sapiens
233 <400> SEQUENCE: 12
234 cggatttcga gtgctttct ccttacctcc accctcccc atgttttaat gcagccctcc        60
235 aaaaatattt actgagtgtg gactctagac cagggcctgt gctaggatac aaagatgaat     120
236 gaggcaccac ccttatcttc gagtagtata tgttttattt tattttattt ttttcccctg     180
237 ctgcctccct tgagtagtac atgttttagt aaggggaaca gacactaaag agtcctggta     240
238 atgatgagca aagtactgca tgagtaagta tctgggggggc aagtgtcccc actaggactc     300
239 ctgtcagatc tggaaaaggc ctgaggaatc tgatacatga cttaatgcag cgtatacttg     360
240 cagcctggaa aactaagtaa tgacaaaata gacattcttg tcagtgtgag ccattctctg     420
241 agtccmaggg gagtacataa ttcaaaccag aattggtcat tttggagttt gcactcttag     480
242 cagtatacag tggagtgaaa tttaagaatc aatttaattt cttttcagtt tttatgtaca     540
243 taaaacctgc ttactacaag agacccagtt tattatttttg tgttggttaa cattcataag     600
244 tatatttcat cataataagg ctccgtgaaa ttagtcattt tatcatttgc caataaagac     660
245 atatatctga aaataaatgt tcctgaacct gaaaaaaaaa aaaaaaaaaa ctcga          715
248 <210> SEQ ID NO: 13
249 <211> LENGTH: 838
250 <212> TYPE: DNA
251 <213> ORGANISM: Homo sapiens
253 <400> SEQUENCE: 13
254 gaattcggca cgagccaaaa caaaagaaac ctttggaggc atgtgtcaga acagagaaag      60
255 tgtcctggtt ttgcttatag aatcaaatat gttctcattc tacctactgt tttcattcta     120
256 catagtgttt tccttctta tagttttacg tcctcttcct aggaatgagt ctattaagaa      180
257 aataggtgtt atcttttagc tttggcattt gactttcagg ataatagagc tatctgctac     240
258 tgacagaaaa gctttgacaa gtgtttaata ctctgggatt accttcatct tactttttgca     300
259 atcattatgt gaacattgtc ttccgtccac atctayaggc tagtawgtaa caccgttgac     360
260 taaatccaaa ctttaggcta gggaaaaagg gtatactttc tgggtttcgg ttgtagatta     420
261 tgtttagatc taaycaaaac aggacagtgg tccaaacaga aaattgctat tttctgtatc     480
262 ttgtaaatct aggatttgag ttttaagat gaatttatgg ttcctttct gatatcattt        540
263 ctcatctgca gctcctaatg cctggtacct tgggtatgga gtgaggagag acaatggaca     600
264 gttttatata agaaatggaa gtaatgatac tatctttcct ggaatatttg caggccccag     660
```

```
265 aggagatgat gagcaaggac tgttggcctg tattacacac aacagggttg tagttactat    720
266 cccagcaagg aaagggtgta tctttcttct ttcatgcaaa ttatctatga tgacctaaca    780
267 gtttgattat agtgagtgga ctaaccacaa caataaaaaa aaaaaaaaaa aactcgaa      838
270 <210> SEQ ID NO: 14
271 <211> LENGTH: 513
272 <212> TYPE: DNA
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 14
276 ctgcaggaat tcggcacgag ggaacaactc catgtttttg taaaggccta gagaacatat     60
277 atccagtgcc tttccttttt gcctttgtat tcatcatttt ggcaaattac tggaagatga    120
278 cggttctggc caaaaggctg gttttgtttt tgggtcacat tttcttgctt ctctgcgtta    180
279 gaatcttgga ttagatgatg gacatggtga agatctcagc aacctcattc actagaagat    240
280 catgtggatt ggaatcatac aatggggaac aaatgaaaaa gagtactttt gaaatagtgc    300
281 tggagaccac tgtgaccaca gaatgtcaag acacgtgctg ccattactgt tactatttgg    360
282 aaaatacatt cttgtaaatg caaccttagg gggtttgagg gggaagtctg ttgggaaatg    420
283 aattgcaaga aaaatattac accctgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa    480
284 aaaaaaaaaa aaaaaaaaaa aaaaaaact cga                .                513
287 <210> SEQ ID NO: 15
288 <211> LENGTH: 712
289 <212> TYPE: DNA
290 <213> ORGANISM: Homo sapiens
292 <220> FEATURE:
293 <221> NAME/KEY: SITE
294 <222> LOCATION: (565)
295 <223> OTHER INFORMATION: n equals a,t,g, or c
297 <400> SEQUENCE: 15
298 gaattcggca cgagctggac aggaccggag aggaccccgc gtaaccgcgg aacagacact     60
299 cccggcagcg gccgccgccg cggcactgct acgggacgag ccggagcgct tggccatggc    120
300 ggcccgatcc gcactggcgc tgctgctgct gctgccagtc ctgctcctgc cggtgcagag    180
301 ycgctcagag cccgagacca ccgcgcccac ccctacccca atcccggggtg gcaactcgtc    240
302 aktgagcagg cccctgccca gcatcgagct ccacgcctgc ggcccatacc ccaaaccagg    300
303 cctgctcatc ctgctggccc cgctggccct gtggcccatt ctcctgtagg gacgcccagc    360
304 cagccacctc taagtcgccg ctgggactgg cctgccccat tgagcaacag agacgcttga    420
305 cagccgcccg cctccattcc ttgacttcac ccagaaatgg gtccagaaaa ctgaatccca    480
306 ccagcactgg tttggagcaa ccggacaccg aggtttcacc tccaggrtt ccatggaaga    540
W--> 307 gcctcaatgg agatgccaca tcctnactga gttaaagatg ggctgaggaa cttgggtacc    600
308 cacaagtytg ccttgggrat caaaagaaaa tatttacctt tagtttggtt cattaaatgc    660
309 atgaagtcaa aatatgaaaa aaaaaaaaa aaaaaaaaaa aaaaaactc ga             712
312 <210> SEQ ID NO: 16
313 <211> LENGTH: 652
314 <212> TYPE: DNA
315 <213> ORGANISM: Homo sapiens
317 <400> SEQUENCE: 16
318 gaattcggca cgagcaacag tggggcactc tgctcccagg caggtcccac tgggctgagc     60
319 cgcacagcct ggctttgggc ttccctgact gcaccaccca catcasctgc ctctagccct    120
320 taamatacaa aacttccccc agtcactggc cgccaggctg agttggggga tgtgttacat    180
321 ccctgggtcc actggggggc agtgttggcc atggtgttgg tgctggctct gccgagaggc    240
322 gttggagtgg ctgtgtgggg cggtgagcgc cggcccagcc tgatggaacc cactgtacca    300
323 ggcccaggcc tcagcctctg agaaggactt ccctgtgtca ctcactcata catgtcctca    360
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/776,724A**

DATE: 08/01/2001
TIME: 15:49:54

Input Set : **A:\substseq 07252001.txt**
Output Set: **N:\CRF3\08012001\I776724A.raw**

```
L:120  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:2
L:225  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:11
L:307  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:399  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:420  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:20
L:489  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:23
L:545  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:25
L:566  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:26
L:660  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:29
L:662  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:29
L:663  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:29
L:809  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:33
L:850  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:34
L:851  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:34
L:877  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:35
L:906  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:36
L:948  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:38
L:981  M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:39
L:1024 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:40
L:1087 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:42
L:1089 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:42
L:1090 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:42
L:1113 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:43
L:1133 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:44
L:1189 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:45
L:1208 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:46
L:1233 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:47
L:1251 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:47
L:1375 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:51
L:1423 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:53
L:1449 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:54
L:1515 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:56
L:1516 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:56
L:1517 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:56
L:1541 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:57
L:1645 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:60
L:1724 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:64
L:1802 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:67
L:1812 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:67
L:1813 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:67
L:1861 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:68
L:1887 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:69
L:1984 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:73
L:2139 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:78
L:2141 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:78
L:2142 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:78
L:2173 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:79
L:2251 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:81
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/776,724A**

DATE: 08/01/2001
TIME: 15:49:54

Input Set : **A:\substseq 07252001.txt**
Output Set: **N:\CRF3\08012001\I776724A.raw**

L:2271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:2379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87